

Nov. 1896.

Greenwich Observation of Comet.

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Observation of Comet f 1896 (Perrine), made at the Royal Observatory, Greenwich.

(Communicated by the Astronomer Royal.)

The observation was made with the Sheepshanks' Equatorial, aperture 6.7 inches, by taking transits over two cross-wires at right angles to each other, and each inclined 45° to the parallel of declination. Magnifying power 55. The initials C. D. are those of Mr. Davidson.

Greenwich Mean Solar Time.	Observer.	☿ - * R.A. m s	Corr. for Refraction. s	Log. Factor of Parallax.	☿ - * N.P.D. "	Corr. for Refraction. "	Log. Factor of Parallax.	No. of Comps.	Apparent R.A. of ☿. h m s	Apparent N.P.D. of ☿.	Comp. Star.
1896. d h m s Nov. 4 8 54 8	C. D.	+ 0 2 12	0 00	9 5065	- 6 3 9	- 0 1	0 6971	6	20 18 47 09	66 11 26 7	a

Notes.

The observation is corrected for refraction, but not for parallax. It is also corrected for the error of inclination of the wires and for the motion of the comet.
The comet was extremely faint and difficult to observe.

Comparison Star.

Star's Name.	Assumed R.A. 1896o. h m s	Assumed N.P.D. 1896o. ° ' "	Authority.
a Piazzi XX. 118	20 18 42 68	66 17 49 8	Berlin Astr. Gesell. Catalogue.

Royal Observatory, Greenwich:
1896 November 13.

Observations of Comet Perrine, 1896, November 2, at the Radcliffe Observatory, Oxford.

(Communicated by E. J. Stone, Esq., M.A., F.R.S., Radcliffe Observer.)

The following comet observations were made with the 10-inch Barclay Equatorial, using the ring micrometer, with power 100.

Date.	G.M.T.	Local			Observer.	Comet minus Star			No. of Comps.	Apparent R.A.			Log. (p × Δ).	Apparent N.P.D.			Log. (q × Δ).	Ref.
		h	m	s		R.A.	m	s		h	m	s		of Comet.	in N.P.D.	q.		
1896.																		
Nov.																		
4	7 5 17	21	58	19	R.	+3 44.17	+2 24.1		7	20	18	54.07	+0.1	66 7 43.9	2.8		0.634	(a)
5	7 38 56	22	36	0	W.	+6 7.13	+9 28.1		6	20	17	10.06	+0.1	66 57 42.1	3.0		0.662	(b)

Observers' Remarks.

- (a) The coma can be traced over 1'.40"; the observed condensation, in the north preceding part of the coma, is distinct, though not stellar.
(b) The comet is very faint, but the nucleus appeared stellar at times of better definition; magnitude 12. Noise and the faintness of the object rendered the observations difficult.

Observers : W., Mr. Wickham ; R., Mr. Robinson.

Assumed Places of Comparison Stars.

Ref.	Mean R.A.			Reduction to Apparent R.A.	Mean N.P.D.	Reduction to Apparent N.P.D.	Authority.
	h	m	s				
(a)	20	15	7.64	+2.26	66 5 38.7	-18.8	Berlin, B., A. G., 7638
(b)	20	11	0.69	+2.24	66 48 32.2	-18.2	Berlin, B., A. G., 7591

In the computation of the parallaxes the adopted value of the Sun's mean horizontal parallax is 8".85; and the geocentric distances, Δ, are taken from the *Circular der Central-Steile*, November 7.

Radcliffe Observatory, Oxford : 1896 November 13.